

CORRECTED COPY

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

PERMIT NO.: 1983-SA-2751

DATE ISSUED: November 15, 1983

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS  
PREPARED BY: Beloit Corporation

LOG NUMBERS: 2751-83

SUBJECT: BELOIT CORPORATION - South Beloit, Winnebago County - Land Disposal of  
Paper Fiber Sediment

PERMITTEE TO CONSTRUCT, OWN AND OPERATE  
Beloit Corporation  
1 St. Lawrence Avenue  
Beloit, Wisconsin 53511

EPA Region 5 Records Ctr.



255289

Permit is hereby granted to the above designated permittee(s) to construct and/or  
operate water pollution control facilities described as follows:

Land disposal of paper fiber sediment (152.5 cubic yard per acre per year @ 62.7%  
solids) on approximately 10.33 acre site located in Section 13, T46N, R1E, 3rd P.M.,  
Rockton Township, Illinois with no discharge to the waters of the state.

This Operating Permit expires on November 1, 1986.

This Permit is issued subject to the following Special Condition(s). If such Special  
Condition(s) require(s) additional or revised facilities, satisfactory engineering  
plan documents must be submitted to this Agency for review and approval for issuance  
of a Supplemental Permit.

SPECIAL CONDITION 1: This Permit is issued with the expressed understanding that  
there shall be no surface discharge from these facilities. If such discharge occurs,  
additional or alternate facilities shall be provided. The construction of such  
additional or alternate facilities may not be started until a Permit for the  
construction is issued by this Agency.

SPECIAL CONDITION 2: The operator of the herein permitted facility shall be  
certified by this Agency.

SPECIAL CONDITION 3:

A. The sludge shall be applied to the sites within the following guidelines:

1. Sludge application shall not be permitted upon the sites which have been  
intensely wetted by rainfall within the 24 hour period preceding the  
intended application time.

Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED  
WITH. READ ALL CONDITIONS CAREFULLY.

151D/67-69  
Region 1  
Beloit Corporation  
Permit Unit  
Division

DIVISION OF WATER POLLUTION CONTROL

*Thomas G. McSwiggin*  
Thomas G. McSwiggin, P.E.  
Manager, Permit Section

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- ii. Sludge application shall not be permitted on the sites with water ponded upon them.
- iii. Sludge application shall not be permitted on land during precipitation or when precipitation is imminent.
- iv. Sludge application shall not be permitted on ice or snow-covered land.
- B. Sludge shall not be applied to land which lies within 150 feet from wells or other water supplies and 200 feet from surface waters.
- C. Sludge shall not be applied to farmlands having the following infiltration rates/hour unless the listed minimum soil depth to the mean annual water table is adhered to:
  - 2-20 inches/hour -- 10 feet
  - less than 2 inches/hour -- 5 feet
- D. Sludge shall not be applied to land having a soil pH below 6.5.
- E. Sludge application rates shall not exceed the maximum heavy metal loadings over the lifetime of a site receiving sludge as provided below:

Metal	Total Loading (pounds/acre)	Maximum Annual Rate (pounds/acre)
Pb	1000	
Zn	500	
Cu	250	
Ni	100	
Cd	10	2

- F. Sludge shall not be top applied to farmland having a slope greater than 5% nor incorporated into farmland with a slope greater than 8% unless the annual soil loss does not exceed 5 tons/acre as calculated by the Universal Soil Loss Equation. If sludge is to be applied to farmland greater than 8% under the above conditions, the sludge must be incorporated.

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- G. Users applying sludge to utilization sites greater than 300 acres under common ownership or control or using more than 1,500 dry tons per year must obtain a site specific permit from this Agency.
- H. i. Off-site interim storage of dried sludge in excess of 2 months is not allowed. In addition, measures shall be taken to preclude runoff from any dried sludge that is stored.
- ii. Off-site interim storage of liquid sludge is not allowed.
- I. The delivery and application of sludge, and the choice of an application site, shall be made so as to minimize the emission of odors to nearby residents, taking into account the direction of wind, humidity and day of the week.
- J. User information sheets showing the above information, quality of sludge, use of sludge, location of use and quantity used shall be provided by the permittee and signed by the users for all persons requesting more than 25 cubic yards of dried sludge or users requesting liquid sludge. Records shall be retained by the permittee for the duration of this permit.

SPECIAL CONDITION 4: The permittee shall implement the following groundwater monitoring and reporting program starting from calendar year 1984:

- a. Samples shall be analyzed semi-annually for three monitoring wells (one upgradient and two downgradient) for the parameters listed below:

pH  
BOD<sub>5</sub>  
COD  
Ammonia-N  
Nickel  
ZincOil & grease  
Phenols  
Pentachlorophenol  
Trichlorophenol  
Total organic carbon  
Total suspended solids  
Mercury

- b. The monitoring results shall be submitted, semi-annually, to IEPA, DWPC, Permit Section with a copy to IEPA, Region I Office, 4302 North Main Street, Rockford, Illinois 61103. Monitoring reports shall be submitted in January and July.
- c. Sample shall be analyzed semi-annually for three monitoring wells for volatile organic toxic pollutants (see attached list). The monitoring results shall be submitted as per item b above.

11/15/83  
K.L.

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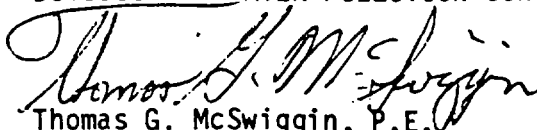
cc: EPA - Region 1

Beloit Corporation

Records Unit

Permit Section

DIVISION OF WATER POLLUTION CONTROL

  
Thomas G. McSwiggin, P.E.

Manager, Permit Section

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